

A-6120

RS-5000 ControlLogix Function Block Diagrams

Course Description	<p>This 16-hour training program is for those familiar with Allen-Bradley ControlLogix controllers, but not familiar with Function Block Diagrams. In this course students will learn how to program, interpret, and troubleshoot ControlLogix programs written with Function Block diagrams.</p>
Topical Outline	<ul style="list-style-type: none">• Definition of a Function Block• Function Block Diagrams in ControlLogix• FBD Basic Boolean Functions<ul style="list-style-type: none">- Basic Boolean Function Exercise• FBD Timers and Counter Functions<ul style="list-style-type: none">- Timer and Counter Exercise• FBD Math Functions<ul style="list-style-type: none">- Math Function Exercise• FBD Compare Functions<ul style="list-style-type: none">- Entering a Simple LIM Compare Exercise• FBD Filter Functions• FBD Enhanced PIDE Function<ul style="list-style-type: none">- PIDE Simulation Exercise• FBD Software Utilities
Programming Software	<p>Training utilizes Rockwell Software RSLogix5000, Microsoft Windows NT, 2000 and XP Software.</p>
Prerequisites	<p>Students should have successfully completed Intellect Controls Group training program A-6000 or have knowledge equivalent to the course description and be familiar with Windows NT, 2000 or XP software. It is also recommended that the A-6200 training program be completed as well.</p>
Course Length	<p>2 days/16 hours</p>
CEU's	<p>1.4</p>
Objectives	<p>Persons successfully completing this course will be able to:</p> <ul style="list-style-type: none">• Enter routines using Function Diagram Blocks• Interpret Function Block Diagram Routines• Troubleshoot Function Block Diagrams and I/O associated with them.